

RFI 8

Project: COOLEY LABORATORY RENOVATION  
Job: 3146 COOLEY LAB, PPA# 10-0023  
Customer: MSU BOZEMAN  
Issued To: CONSTRUCTION MANAGEMENT SERV.  
P.O. BOX 7274  
BOZEMAN, MT 59715  
Attention: DONALD J. PLATISHA  
Phone/Fax: 406 585-0611 / 406 585-2698

POTENTIAL  
Cost Impact: Yes  
Schedule Impact: No

Coordination copies to:

Item: Penetrating FRP Strengthening System Type: ARCH/STRUC

Reference: 17/A8.1, 18/A8.1, A1.9, S2.4, FRP Submit Spec. Section: 09390

Attachments:

Description of Request

Question:

Have the additional capacities that are needed to be added by the FRP strengthening system indicated on the structural drawings taken into account the penetrations that will need to be made to secure top track for interior partition walls.

Example locations where there is conflict are: the north/south walls along gridline 7 on sheet A1.9 that are shown to be attached to the underside of the FRP strengthened beam, the east/west running walls at 403 corridor walls, locations where detail 18 on A8.1 will occur.

Recommendation:

- 1) If loss of capacity from these penetrations through the FRP has been accounted for no further clarification is needed.
- 2) If this loss of capacity from penetrations is a concern we would recommend overlaying AutoCAD FRP drawings with the architectural wall AutoCAD drawings to locate all locations of conflict. Then either relocating walls where conflicts occur or redesigning the FRP to accept penetrations through them.

Respond By: 07/15/11 By: TIM THOLT

Response

We have reviewed the FRP system with Aegis and they have confirmed that penetrations are acceptable provided that they are powder actuated fasteners for the attachment of interior partition wall top tracks. Provide a minimum of 2 -1/4" edge distance for powder actuated fasteners. Drill-in anchors etc. are not to be used through the FRP. ADG will provide a revision to detail 8/A8.1 under separate cover so that the edge distance at the beam can be provided. This detail occurs between electrical and laboratory rooms on each floor.

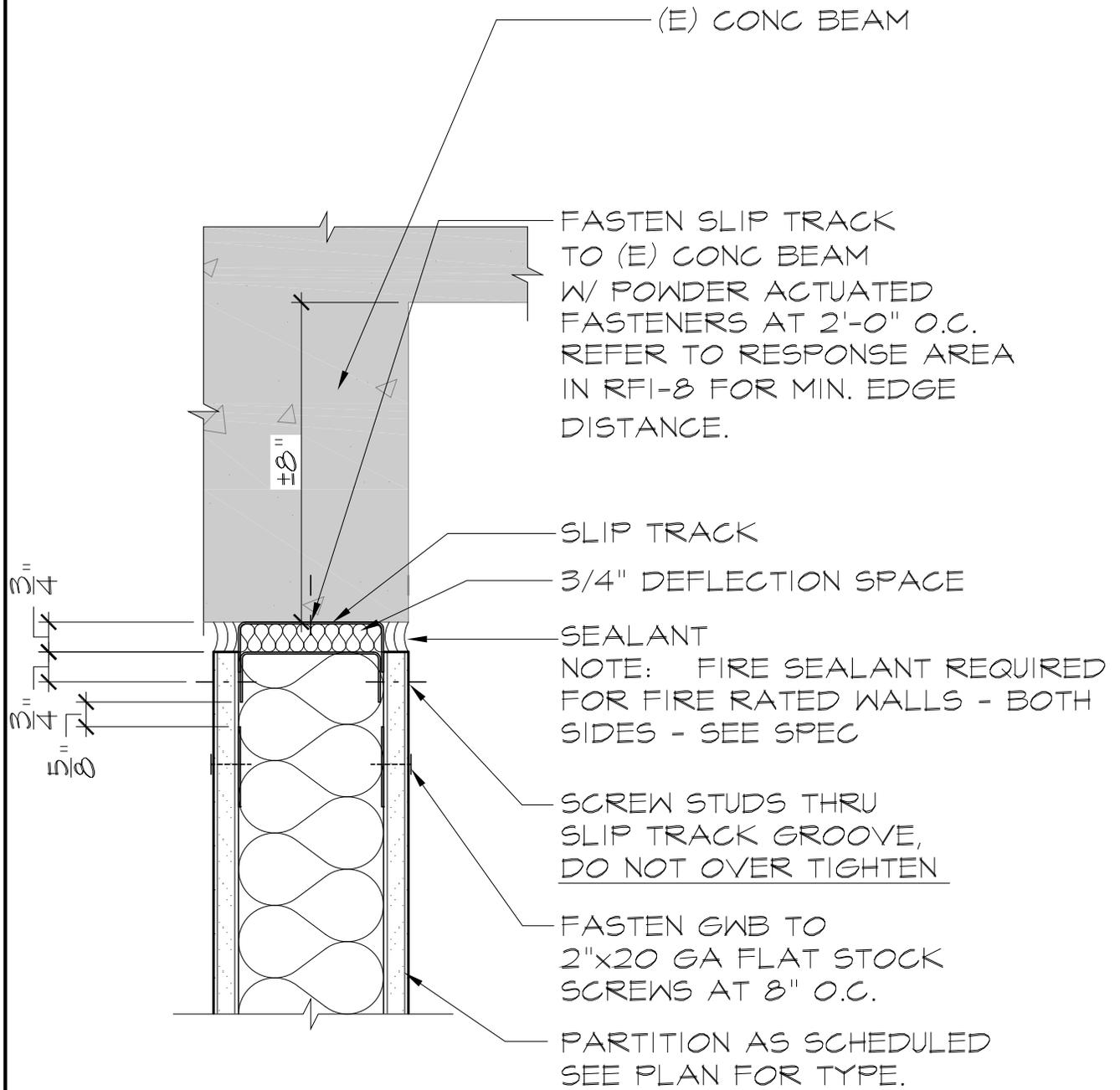
Signed: 

Date: 7-15-11

Proceed as Indicated:

Date: \_\_\_\_\_

Owner Authorized Representative



## TYP. GYP. BD. PARTITION HEAD @ CONCRETE SLAB

18

SCALE: 3" = 1'-0"



Architects  
Design  
Group PC

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Cooley Laboratory Remodeling

Bozeman, Montana  
MSU PPA 10-0023  
N.I.H. - N.C.R.R. Grant 1CO6RR30426

ADG Project 10-020

CD-2.0

Date: 7.20.2011  
Drawing Scale: 3"=1'-0"

Page 1 of 1